

In the Claims:

Claims 1-26 (Cancelled)

27. (Currently Amended): An isolated, recombinant polypeptide comprising a member selected from the group consisting of

- (a) the amino acid sequence SEQ ID NO:2;
- (b) an immunogenic fragment of SEQ ID NO:2, wherein the immunogenic fragment comprises at least 15 contiguous amino acids of SEQ ID NO:2;

wherein the immunogenic fragment ~~isolated polypeptide~~, when administered to a subject in a suitable composition which can include an adjuvant, or a suitable carrier coupled to the polypeptide, induces an antibody or T-cell mediated immune response that recognizes the ~~to a~~ polypeptide ~~consisting of~~ SEQ ID NO:2.

28. (Currently Amended): The isolated, recombinant polypeptide of claim 27, wherein the polypeptide is according to (a).

29. (Currently Amended): The isolated, recombinant polypeptide of claim 27, wherein the polypeptide is according to (b).

30. (Cancelled)

31. (Currently Amended): The isolated, recombinant polypeptide of claim 27, wherein the immunogenic fragment of (b) comprises at least 20 contiguous amino acids of SEQ ID NO:2, wherein the immunogenic fragment, when administered to a subject in a suitable composition which can include an adjuvant, or a suitable carrier coupled to the polypeptide, induces an antibody or T-cell mediated immune response that recognizes the polypeptide SEQ ID NO:2.

Claims 32-33 (Cancelled)

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34. (Currently Amended): The isolated, recombinant polypeptide of claim ~~27~~<sup>1</sup>, wherein the isolated, recombinant polypeptide consists of SEQ ID NO:2.

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35. (Currently Amended): A fusion protein comprising the isolated, recombinant polypeptide of Claim ~~27~~<sup>1</sup>.

Claims 36-52 (Cancelled)

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53. (Currently Amended): An immunogenic composition comprising the isolated, recombinant polypeptide of Claim ~~27~~<sup>1</sup> and a pharmaceutically acceptable carrier.

Claims 54-61 (Cancelled)

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62. (Currently Amended): The isolated, recombinant polypeptide of claim ~~29~~<sup>3</sup>, wherein the immunogenic fragment of (b) comprises amino acids 47-59 of SEQ ID NO:2.

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63. (Currently Amended): The isolated, recombinant polypeptide of claim ~~29~~<sup>3</sup>, wherein the immunogenic fragment of (b) comprises amino acids 158-172 of SEQ ID NO:2.

64. (Cancelled)

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65. (New): An isolated polypeptide consisting of SEQ ID NO: 2.